

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name SHIELD MAX

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product type Graffiti protection.

1.3 Details of the supplier of the safety data sheet

SDS created by Intersolia Sweden AB

Manufacturer Trion Tensid AB

Street address Svederusgatan 1-3
SE-754 50 Uppsala

Telephone +46 18 15 61 90

Fax +46 18 69 66 27

Email info@trion.se

1.4 Emergency telephone number

Available outside office hours Yes

Emergency phone number CHEM-TREC 1-800-424-9300

Other

Contact person: William Stomilovic

Email: william.stomilovic@trion.se

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008, Annex VI

Classification Eye irritation, hazard category 2

Hazard statements H319

2.2 Label elements

GHS labeling of the substance (in accordance with Regulation (EC) No 1272/2008, Annex VI)

Pictogram



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Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precaution statements P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	CAS No. EC No.	Concentration	Classification	H-phrase
Alcohols, C12-15, branched and linear, ethoxylated	106232-83-1 500-294-5	<1%	Aquatic Acute 1, Eye Dam. 1, Acute Tox. 4 - oral	H302, H318, H400
(Z)-9-Octadecen-1-ol ethoxylated	9004-98-2 500-016-2	<0,5%	Eye Dam. 1, Acute Tox. 4 - oral	H302, H318
Alcohols, C16-18, ethoxylated	68439-49-6 500-212-8	<0,5%	Aquatic Acute 1, Eye Dam. 1, Acute Tox. 4 - oral	H302, H318, H400
Sodium hydroxide	- -	<0,1%	Skin Corr. 1A	H314

Substance additional information

For the full text of the H phrases mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remain calm.

Skin contact Rinse with water.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion Drink a couple of glasses of water. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact In the event of contact with the eyes, minor irritation can occur.

Ingestion Ingestion of large amounts can result in: nausea, vomiting and stomach pains.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Fire can be extinguished using: Water.

5.2 Special hazards arising from the substance or mixture

Not applicable

5.3 Advice for firefighters

Special protective equipment for fire-fighters In the event of fire, wear self contained breathing apparatus. Wear suitable protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable

6.2 Environmental precautions

Prevent large discharges to drains. Bank up and collect.

6.3 Methods and material for containment and cleaning up

Only large-scale discharges can constitute a risk. Collect spillages as soon as possible by using an absorbent material. Rinse clean with plenty of water. Consider the risk of slipping.

6.4 Reference to other sections

See waste in section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

General hygiene Wash hands before eating, drinking, or smoking. Ensure good industrial hygiene.

7.2 Conditions for safe storage, including any incompatibilities

The package must be stored sealed and in a cool location.

7.3 Specific end use(s)

This product should only be used for those uses described in section 1.2

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure limits The product contains no relevant amounts of substances with workplace-related limits that must be monitored.

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National occupational exposure limits

Ingredient	CAS no.	EC No.	Exposure limit mg/m ³ -ppm		Short-term exposure limit mg/m ³ -ppm		Remark	Source	Year
Sodiumhydroxide	1310-73-2	215-185-5	-	-	2	-	-	WEL	-

8.2 Exposure controls

Eye / face protection

Wear protective goggles if there is a risk of direct contact or splashes.

Safety gloves

No special safety precautions are required.

Other skin protection

Remove and wash contaminated clothing before re-use.

Respiratory protection

Breathing protection is not normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance, colour

white

Appearance, physical state

Not applicable

Auto-ignition temperature

Not applicable

Boiling point

100 ° C

Decomposition temperature

Not applicable

Density

1000 kg/m³

Evaporation rate

Not applicable

Explosive properties

Not applicable

Flammability (solid, gas)

Not applicable

Flash point

Not applicable

Form

liquid

Initial boiling point and boiling range

Not applicable

Melting point

80 - 85 ° C

Melting point / freezing point

Not applicable

Odour

Slight odour.

Odour treshold

Not applicable

Oxidising properties

Not applicable

Partition coefficient: n-octanol / water

Not applicable

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pH concentrate	8 - 9
pH value	Not applicable
Relative density	Not applicable
Solubility	Immiscible with water.
Solubility in water	100 %
Upper / lower flammability or explosive limits	Not applicable
Vapour density	Not applicable
Vapour pressure	Not applicable
Viscosity	Not applicable

9.2 Other information

Not applicable

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not applicable

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Not applicable

10.4 Conditions to avoid

Avoid extreme temperatures during storage.

10.5 Incompatible materials

Not applicable

10.6 Hazardous decomposition products

Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The product has a low toxicity, which means that the risk of injury during normal handling is small.

Acute toxicity	Ingestion of large amounts can result in: nausea, vomiting and stomach pains.
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Irritation	In the event of contact with the eyes, minor irritation can occur.
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Corrosive effects Not applicable

Sensitisation Not applicable

Mutagenicity Not applicable

Carcinogenicity Not applicable

Repeated dose toxicity Not applicable

Reproductive toxicity Not applicable

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic The product has a low level of toxicity to aquatic organisms.

Acute fish toxicity Sodiumhydroxide (LC50): (96 h) 45 mg/l.

Acute crustacean toxicity Sodiumhydroxide (EC50): (48 h) 30 mg/l.

12.2 Persistence and degradability

The product is easily biodegradable.

12.3 Bioaccumulative potential

Bio-accumulation is unlikely. .

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Not applicable

Other

This assessment is based on the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal considerations Empty packages and product residues must be handled in an environmentally correct manner according to applicable laws and provisions. The company is affiliated to REPA.

Packaging Do not attempt to refill or clean the package.

Other

Waste code (EWC) Appropriate classification of waste is the user's responsibility.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, (REACH). European Parliament and Council Regulation (EC) No. 1272/2008, CLP.
Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Annex II SDS.
Regulation (EC) No 648/2004 of the European Parliament and of the council on detergents.

National regulations

EH40/2005 Workplace exposure limits. Waste Ordinance (2011:927).

15.2 Chemical safety assessment

Not applicable

SECTION 16. OTHER INFORMATION

Changes to previous revision

Changes are made in the following sections: 2, 3, 4, 11, 12, 13, 15,16.

SHIELD MAX

**References to key literature
and data sources**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, (REACH).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council. .
Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Annex II SDS.
EH40/2005 Workplace exposure limits.
Waste Ordinance (2011:927).
Regulation (EC) No 648/2004 of the European Parliament and of the council on detergents.
Information also obtained from the constituent substances' safety data sheets.

Phrase meaning

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1
Eye Dam. 1 - Serious eye damage, hazard category 1
Skin Corr. 1A - Skin corrosion, hazard category 1A
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H400 - Very toxic to aquatic life.